

MAGESH HARIRAM K

Student at Hindusthan Institute of Technology

6/7, VIJAYANOOR, PANDARAPURAM(PO) , SATHANKULAM - 628 704 • 9626238464 • mageshhariramk@gmail.com

in @ www.linkedin.com/in/k-magesh-hariram-6011132a4 @ <https://github.com/mageshit24>

A meticulous and engaged final-year Information Technology student with practical experience in cloud technologies, IoT, database management, and software development. Proficient in React, MongoDB, MySQL, Oracle SQL, Node.js, Express.js, JavaScript, Java, and familiar with development tools like IntelliJ, Git, and Postman. Built adaptable software solutions including a MERN stack To-Do List application, a Java-based Flappy Bird game, and a driver sleep warning system using computer vision. Successfully completed an IoT-based Insomnia Prediction System using an ESP32-integrated smart pillow for real-time sleep data monitoring and predictive analysis. Earned the NPTEL "Introduction to Internet of Things" Silver Badge and NPTEL "Cloud Computing" Elite Certification, demonstrating technical proficiency in emerging technologies. Recognized for a strong foundation in sensor integration, data communication, and real-time monitoring, along with proven problem-solving skills, fast learning ability, and effective team collaboration on diverse technical projects.

EXPERIENCE

Web Development Intern

Coimbatore

Techvolt Software Pvt. Ltd.

Aug, 2023 - Aug, 2023

Gained practical experience in building static web pages using HTML and CSS, focusing on layout design and UI styling.

Java Full Stack Development Intern

Chennai

VEI Technologies

Jul, 2024 - Jul, 2024

Completed a 21-day internship in Java Full Stack Development, gaining hands-on experience in building responsive Employee Management web application using Java-based backend and modern front-end tools. Successfully completed all assigned tasks within the internship period.

IoT Intern (Internet of Things)

Chennai

VEI Technologies

Dec, 2024 - Jan, 2025

Completed a 15-day internship focused on Internet of Things (IoT), gaining practical exposure to sensor technologies, data transmission, and real-time monitoring. Developed a clear understanding of IoT systems through hands-on tasks and guided sessions.

AI & Data Analytics Intern (Green Skills – Skills4Future Program)

Remote

AICTE, Shell India & Edunet Foundation

Dec, 2024 - Jan, 2025

Completed a project-based internship focused on Artificial Intelligence and Data Analytics with an emphasis on green skills. Gained practical experience in data modeling, dashboard visualization, and AI-driven problem-solving through mentorship and independent project work.

AI Intern (Artificial Intelligence)

Perambalur

R Tech Solution

Jan, 2025 - Jan, 2025

Completed a 2-week internship focused on Artificial Intelligence, covering Neural Networks, NLP, and Computer Vision. Developed a basic chatbot capable of responding to user greetings using natural language processing techniques.

EDUCATION

B.Tech Information Technology

Coimbatore

Hindusthan Institute of Technology

Nov, 2022 - Present

I'm currently pursuing final year in Information Technology with a CGPA of 8.5 till fifth semester.

HSC

Sathankulam

TNDDTA RMP PULAMADAN CHETTIAR NATIONAL HR. SEC. SCHOOL

Jun, 2021 - May, 2022

I've completed my schooling with 81% in HSC.

I've completed my schooling with 90.2% in SSLC.

PROJECTS

ToDo List Web Application (MERN Stack)

Developed and hosted a responsive ToDo List web application using MongoDB, Express.js, React, and Node.js. Backend was deployed on Render and frontend on Netlify, enabling full CRUD functionality with a clean user interface.

<https://todolist-web-mern-project.netlify.app/>

Flappy Bird Game (Java Desktop Application)

Recreated the classic Flappy Bird game using Java, applying object-oriented programming principles, custom animations, and collision detection. Demonstrated strong logic building, game loop control, and UI handling in a desktop environment.

<https://github.com/mageshit24/FlappyBird.git>

Driver Drowsiness Detection and Alert System (Software-Based)

Developed a Python-based AI system using OpenCV and dlib to detect driver drowsiness through real-time eye aspect ratio analysis. Triggered audio alerts and email notifications with GPS data upon detecting fatigue, ensuring enhanced driving safety without external hardware.

<https://github.com/mageshit24/Driver-Drowsiness-Alert.git>

Insomnia Prediction Using IoT-Integrated Smart Pillow

Prefinal year mini project based on my original concept. Developed an AI-powered IoT smart pillow using ESP32 and multi-sensor integration to monitor sleep patterns and predict insomnia in real time. Used MongoDB for cloud storage and Blynk for live data visualization and alerts; currently enhancing with a custom mobile application.

ACHIEVEMENTS

Consistent Performer in Competitions

Achieved First Place in Tamil Poem Recitation (2015) and Second Place in Tamil Speech (2014) during Independence Day events, showcasing strong public speaking and literary skills.

Elite Rank Holder in NPTEL

Achieved Elite certification with a score of 60% in the NPTEL Cloud Computing course. Demonstrated proficiency in cloud technologies, architectures, and services, with a strong emphasis on technical understanding and problem-solving skills.

Silver Badge Holder in NPTEL

Achieved Elite certification with a score of 76%, earning a Silver Medal. Demonstrated strong technical knowledge in IoT, including cloud technologies and problem-solving skills in the domain.

TRAINING/CERTIFICATIONS

Diploma in MS-Office (DMO)

2022

CSC Computer Software College

Completed a 2-month hands-on course (Jun–Aug 2022) with Grade A (Excellent), covering MS- Word, Excel, PowerPoint, Windows, and Internet fundamentals.

NPTEL - Cloud Computing

2024

Indian Institute of Technology (IIT) Kharagpur

Completed a 12-week course with Elite certification, scoring 60% among 30,816 candidates, demonstrating strong grasp of cloud technologies.

NPTEL - Introduction to Internet of Things

2025

Indian Institute of Technology (IIT) Kharagpur

Completed a 12-week course with Elite + Silver badge, scoring 76% and ranking among top performers.

AWARDS

Tamil Nadu State Level English Proficiency Test – Certificate of Merit

Kalakad, Tirunelveli

Bharath Institute of English

2016

Awarded Distinction and District-Level Rank in the state-level proficiency test.; received a medal and certificate for outstanding performance (Jan 2016).

SKILLS

Leadership, Communication, Problem solving, Flexibility and adaptability to work, Good at multitasking

LANGUAGE

Tamil, English